

Procedure Name:	Node 1 Initial Ingress 12/17/97
Applicability:	3A Node initial ingress (with APCU power)
Frequency:	
Objective:	To ingress the node with lighting, ventilation and positive pressure relief configured.
Description:	
Crew Required:	
Power:	
Data:	
Duration:	
Location:	
Parts:	
Materials:	
Tools:	
Constraints:	
Assumptions:	Node has been scrubbed of toxins. PMA2 ingress procedure is complete. APCU power is available to Node ECLSS systems.
Reference Materials:	

NODE 1 INITIAL INGRESS

PCS NODE 1 FWD STBD IMV VLV OPENING
 Node1: ECLSS: FDIR
 Node 1 FDIR Details

1. ✓N1_1 MDM IMV FDIR Stat - Ena
 ✓N1_2 MDM IMV FDIR Stat - Ena

NODE1: ECLSS: Fwd Stbd IMV Vlv
 Node 1 Fwd Stbd IMV
 'RPCM N13B C RPC 13'

2. sel RPC Commands
 cmd Close **Execute**
 ✓Position - Cl

 'Node 1 Fwd Stbd IMV Vlv'

3. sel Vlv Commands
 cmd On **Execute**
 cmd Open **Execute**
 ✓Stat - In Transition
 Wait 20 seconds.
 ✓Stat - Op

PMA 2 EQUALIZE WITH NODE 1
AFT 4. Node Fwd Hatch MPEV → OPEN
 5. Wait TBD minutes.
 6. Open Node 1 forward hatch per decal.
 7. Node Fwd Hatch MPEV → CLOSED

DUCTING CONFIGURATION

8. Remove V-band assembly and IMV cap from Node IMV Fwd Stbd duct flange.

NOTE

Node starboard is on the Shuttle port side.

9. Temporarily stow V-band, cap in TBD location.
10. Loosen V-band assembly restraining PMA 2 air duct jumper to support
11. Connect PMA 2 air duct jumper to PMA-Node IMV duct extension
12. Install duct assembly around perimeter of PMA deck and secure with support straps.
13. Connect end of PMA-Node duct extension to Node IMV Fwd Stbd duct flange with V-band clamp, tighten until secure.

ESTABLISH VENTILATION WITH NODE 1

- PMA 2
14. Perform Node 1 Cabin Fan Activation, steps 1 to 4
 15. Close grille cover on PMA 2 hard duct
 16. ✓Airflow from Node through open hatchway

NODE 1 LIGHTING CONFIG

17. Node 1: EPS: RPCM N13B A

RPCM N13B A

sel RPCM Details

sel RPC [x] [x] = [5] [13]

cmd Close Cmd - Enable Execute

cmd Close Execute

cmd Close Cmd - Inhibit Execute

✓RPC Position - CI

Repeat

Node 1: EPS: RPCM N13B B

RPCM N13B B

sel RPC 1

sel Commands

cmd Close Cmd - Enable Execute

cmd Close Execute

cmd Close Cmd - Inhibit Execute

✓RPC Position - CI

Node 1: EPS: RPCM N13B C

RPCM N13B C

sel RPC 1

sel Commands

cmd Close Cmd - Enable Execute

cmd Close Execute

cmd Close Cmd - Inhibit Execute

✓RPC Position - CI

Node 1: EPS: RPCM N14B B

RPCM N14B B

sel RPC 1

sel Commands

cmd Close Cmd - Enable Execute

cmd Close Execute

cmd Close Cmd - Inhibit Execute

✓RPC Position - CI

Node 1: EPS: RPCM N14B-C

RPCM N14B C

sel RPCM Details

sel RPC [x] [x] = [2] [15] [16]

cmd Close Cmd - Enable **Execute**

cmd Close **Execute**

cmd Close Cmd - Inhibit **Execute**

√RPC Position - CI

Repeat

NOTE

It may take 30 minutes for cold lights to come up to full bright. Lights must come up to full bright before turning them off.

Node 1 18. Node 1 General Lighting Pb - On
Fwd √All (eight) Node 1 Interior Lights - Full Bright
Endcone

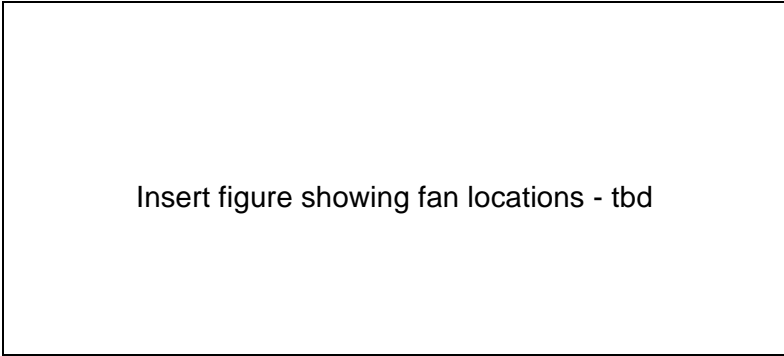
Node 1 Node 1OS2-1 Int Light pb - Off
Node 1OP2-1 Int Light pb - Off
Node 1OP2-2 Int Light pb - Off

PFE AND QDM INSTALLATION

Node 1 19. Temporarily stow ISS portable fire extinguisher in Node 1 fwd port alcove
locker
20. Temporarily stow Shuttle QDM's (two) in TBD location.

NODE 1 PORTABLE FAN CONFIG

Node 1 21. Remove Portable Fans left on brackets.
Stow in 'Return to Houston' bag.
Retrieve Portable Fans (4) from bag.
Install on seat track according to Figure 1



Insert figure showing fan locations - tbd

FIGURE 1

NODE 1 PPRV CONFIGURATION

Node 1 22. Unstow: PPRV Caps

Node 1 23. Install caps on Node 1 Port, Stbd PPRVs
Port,
Stbd
Hatch